Packaging

### Work Order ID 107265

\*107265\*

Page 1

September-23-13 11:45:59 AM Accept \*N900040100\* Setup Start Item ID: D4022-5 **Revision ID:** 20 Stop Thermal Switch Item Name: Start Qty: 4.00 9/23/13 Cust Item ID: **Start Date:** Required Date: 9/23/13 Req'd Qty: 4.00 **Customer:** Reference: Run Start Date: 13-04-23 Tooling: Date: Process Plan: Approvals: Stop Date: SPC (Y/N): Date: QC: Set Up/ **Tool ID** Tool # Plan Accept Reject Reject Insp. Sequence ID/ **Operation** Number Stamp Qty Code Qty **Work Center ID** Description **Run Hours** Draw Nbr **Revision Nbr** C D4022 0.00 100 \*100\* 0.00 Purchasing Memo Issue P/O: 21465 Purchasing Purchase part as per Dwg D4022 Part #: T23A125BSR2-15 Possible Supplier: HONEST-WELL Material release note required 0.00 Receive & Inspect for Damage & Mat'l Certs 110 \*110\* 0.00 Packaging Memo

											DQA:	Date	
NCR:	⁄es	/ No				WORK ORDER NON-	COI	NFORM	MANCE / UP	DATE	QA Closed:	Date	. <b>y</b>
						DISDOSITION				ACAINST D			
Work Orde	er:					DISPOSITION	,	1		AGAINST DI	PAKTIVICINI	/PROCE33	
Part N	No				· · · · · · · · · · · · · · · · · · ·	Rework Scrap Use-as-is		Machining Small Fab		Crosstube Small Fab Finishing	Water Jet Prod. Eng. Coor. Rec/Store/Packaging		Engineering Quality Other
NCR N	No					Work Order Update	]		Large Fab	Composite	]	Supplier	
Root					Descri	ption of work order update		Initial	Act	ion	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Cł	nief Eng	Descr	iption	Date	Verification	QC Inspector
Doc/Data		·	·										
Equip/Tooling													
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Landi	ng G	ear				General		=		_	_		_
		Bending				Bend	L	Grain			Ovalized		Pressure/Forced
	∐ <sup>(</sup>	Centre No	ot Concer	ntric to	o/s	BOM/Route	L	Hardwa	re		Over/Under	tolerance	Temperature/Cure
		Cracks			L	Broken/Damaged	L	Inspecti	on Incomplete	L	Part Incorre	ct	Weld
Crushed/Crimped Burrs					Burrs		Instruct	ions incomplete/U	Inclear	Part Lost/M	issing	Wrong Stock Pulled	
Cuffs Contamination					Contamination		Mainte	nance		Part Moved			
	Heat Treat Countersink					Mislabeled			Positioned \	Wrong			
					Cut Too Short	Misread				Power Loss/	'Surge	Other	

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

# \*107265\*

Page 2

	D4022-5			Accept	*N900	040	100	<b>)</b> * s	etup Star	* *N	S1*
Revision ID: Item Name:	Thermal Swite	ch							Stop	*N	S2*
	9/23/13	Start Qty: 4.00 Req'd Qty: 4.00	*4* *4*	<del>.</del>	Cust Item I Customer:	D:			Q.		
Approvals:	Process Pla	ın:′	Date:	Tooling:	D:	ate:		R	tun Star Stop	I <i>Л</i>	R1*
	QC:		Date:	SPC (Y/N):	D:	ate:			Stop	*N	R2*
Sequence ID/ Work Center II  120 *120* QC Quality Control	D	Operation Description QC6- Inspect dimension Memo	s to drawing	Set Up/ Run Hours  0.00 DAS 27 0.00 9-89	Tool ID	Tool #	Plan Code	Accept Qty Qty	Reject Qty	Reject Number	Insp. Stamp
*130 *130* Packaging Packaging		Identify as per dwg & St  Memo	tock Location: 573	42 A 0.00 0.00				_30×	28	_13-0	9 <del>9-27</del>
140 * <b>140</b> *		QC21- Final Inspection	- Work Order Release	0.00				A	A/W	13-7	9-20
QC Quality Control		Memo		0.00						1	·

					<i>₹</i>
		•	DQA:	Date:	-4
NCR:	Yes / No	WORK ORDER NON-CONFORMANCE / UPD	ATE		

									QA Closed:	Date	<u> </u>
Work Orde	er:				DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
Part N	lo	-			Rework Scrap Use-as-is Work Order Update	Th	Skid-tube  Machining ermoforming Large Fab	Crosstube Small Fab Finishing Composite	4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root				Descri	ption of work order update	Initia	А	ction	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chief E	ng Des	scription	Date	Verification	QC Inspector
Doc/Data											
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Operator											
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Other		1									
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Unapproved		<u> </u>									
	ü - <del>u</del>		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			AULT CA	TEGORY				
Landi	ng Gear	<b>64</b>	À ;	_	General			_	7		7
	Bending				Bend	Grai	n		Ovalized		Pressure/Forced
	Centre N	ot Conce	ntric to C	)/S	BOM/Route		ware	_	Over/Under	<u> </u>	Temperature/Cure
	Cracks				Broken/Damaged	$\blacksquare$	ection Incomplete		Part Incorre	<del> </del>	Weld
	Crushed/	'Crimped		<u> </u>	Burrs	-	uctions Incomplete	e/Unclear	Part Lost/Mi	issing	Wrong Stock Pulled
	Cuffs				Contamination	—	ntenance		Part Moved		
	Heat Trea				Countersink	<b></b>	abeled	<u> </u>	Positioned V		7
	Inspectio		Tube	<u> </u>	Cut Too Short	Misr			Power Loss/	Surge	Other
	Ripples in			<u> </u>	Drill Holes	Offs					
	Torque V			' <u> </u>	Drawing	<del></del>	of Calibration				
	Turning Sequence			Finish		of Sequence					
	Wave/Twist in Tube			I	Folio	I lOuts	ide Dimensions				

Picklist Print

September-23-13 11:45:59 AM

Work Order ID:

107265

Parent Item:

D4022-5

Parent Item Name:

Thermal Switch

**Start Date:** 9/23/13

Required Date: 9/23/13

Page 1

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP rev A 09.12.23 new Issue Prelim EC verified by: DD IPP Rev:B 10.05.17 as per ECN10-

562 DD verf:EC

	JOZ DD Verribe												
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
T23A125BSR2-15		Purchased	No			110	Each	0.0000	1	0	/112	kh	601
thermal switch										·	_/_/_0	1-11-14	100

										DQA:	Date:	: <u>_</u>
NCR: Y	es / No				WORK ORDER NON-C	COI	VFORM	MANCE / UP	DATE	QA Closed:	Date:	
												·
Work Orde	er:				DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part N	lo				Rework Scrap Use-as-is		Therm	Skid-tube Machining noforming	Crosstube Small Fab Finishing	4	Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other
NCR N	10				Work Order Update	ן נ		Large Fab	Composite	]	Supplier	] []
Root				Descri	ption of work order update	П	Initial	Act	tion	Sign &		
Cause	Date	Step	Qty	C	or Non-conformance	Ch	ief Eng	Desci	ription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling						İ						
Operator												
Material												
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Other												
Process						1						
Supplier												
Training		İ										
Unapproved						L						
					F	AUL	T CATE	GORY				
Landir	ng Gear				General		,			,		7
	Bending			<b></b>	Bend	$ldsymbol{le}}}}}}$	Grain			Ovalized	L	Pressure/Forced
	_	Not Conce	ntric to	o/s	BOM/Route	_	Hardwa			Over/Under	<b>⊢</b>	Temperature/Cure
	Cracks			<u> </u>	Broken/Damaged	╙	1	on incomplete		Part Incorre	·	Weld
		I/Crimped		<u> </u>	Burrs		1	ons Incomplete/l	Jnclear	Part Lost/Mi	ssing	Wrong Stock Pulled
	Cuffs			<u> </u>	Contamination	$\vdash$	Mainte		_	Part Moved		
	Heat Tr			<u> </u>	Countersink		Mislabe	led	<u></u>	Positioned V	_	7
		on Strip in	Tube		Cut Too Short		Misread			Power Loss/	Surge	Other
	Ripples	in Bend			Drill Holes		Offset					
	Torque	Waves in I	Extrusio	n I	Drawing	1	Out of C	alibration				

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

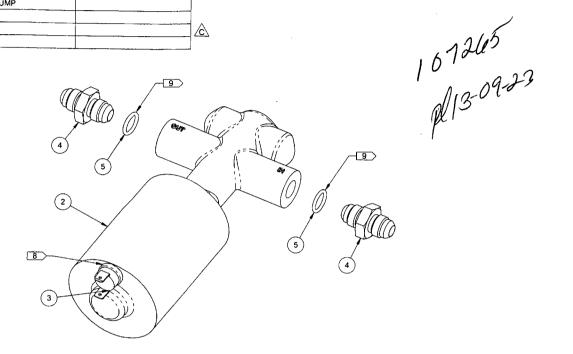
Turning Sequence

Wave/Twist in Tube

Finish

Folio

			1 '	. •	. 5	
•. [	ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER	Ī
-	1	х	D4022-041	FUEL TRANSFER PUMP ASSEMBLY	A8150-B1-JCA	
Ì	2	1	D4022-1	FUEL TRANSFER PUMP		
ь	3	1	D4022-5	THERMAL SWITCH		
٦ [	4	2	AN815-6D	FITTING, UNION		l⁄e
	5	2	MS29512-06	O RING		ک



**D4022-041 FUEL TRANSFER PUMP ASSEMBLY** 

В

DRAWN	DRAWN DE		HAWKESBURY, ONTAR		
DESIGN	١	<b>\$</b>	DART AEROSP	ACE I	ח
REV.		DE	SCRIPTION	BY	DATE
Α	NEW IS	SUE		HS	10.04.16
В	REF CA	R 11-50.	OF "AEROSPARES".	DÇ	11.09.28
С	CORRE	CTED SPELLING	15-6D WAS AN818-6D, ZN D7-1. OF "AEROSPARES", ZN B5-3.	DC	12.02.09

2

DESIGN	<b>\$</b>	DART AEROSP HAWKESBURY, ONTAR		
CHECKED	45	DRAWING NO.	REV. C	
MFG. APPR,		D4022	SHEET 1 OF 4	
APPROVED	143	TITLE	SCALE	
DE APPR.	#	FUEL PUMP	NTS	
DATE 12.0	2.09	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT SPIRIATE MODERNING AND IS SUPPLED ON THE EURESS COMMON THAT IT IS NOT TO BE USED FOR MAY PLAYOUS OR COPED OR COMMANDED TO TO ME OF DESTROMANDED.		

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
7) WEIGHT: 2.61 lbs
8) ATTACH 04022-5 THERMAL SWITCH TO D4022-1 FUEL PUMP IN LOCATION SHOWN USING METALSET A4
TS) TUBRICATE O-RING WITH ULTRACHEM ASSEMBLY FLUID #1, FUEL-LUBE, MOLYKOTE 55 O-RING GREASE OR EQUIVALENT

DART AEROSPACE PART NUMBER JOHN CAMERON AVIATION PART NUMBER

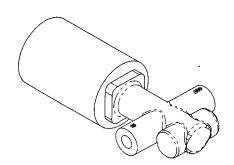
D4022-1 REF JCA/M47/D3/SHT 13

D

6 .

## SPECIFICATION CONTROL DRAWING

5



101245

DART PART NUMBER	SUPPLIER	SUPPLIER PART NUMBER	OPERATING VOLTAGE	FLOW (GPH)	OUTPUT PRESSURE (PSI)	TEMPERATURE RANGE
	WELDON	A8150-B1	24 VDC	35 - 50	5 - 25	-65°F TO +185°F
D4022-1	AEROSPARES ACCESSORIES	A8150-B1	24 VDC	35 - 50	5 - 25	-65°F TO +185°F

#### **D4022-X FUEL TRANSFER PUMP**

LEASE 2012 -03- 0.2

D

С

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
-7)-WEIGHT: 2.6 lbs

DESIGN	<b>A</b>	DART AFROSI	DART AEROSPACE LTD			
DRAWN	DC	HAWKESBURY, ONTA				
CHECKED	8	DRAWING NO.	REV. C			
MFG. APPR.		D4022	SHEET 2 OF 4			
APPROVED	149	TITLE	SCALE			
DE APPR.	-#	FUEL PUMP	NTS			
DATE 12.0	2.09	THIS DOCUMENT OF STREAM TO SHAPE OF COMMENTARIES CONCINENT IN THE SHAPE OF THE SHAPE OF THE SHAPE OF THE SHAPE OF THE SHAPE OF THE SHAPE OF COMMENTARIES OF THE SHAPE OF COMMENTARIES OF THE SHAPE OF COMMENTARIES OF THE SHAPE OF COMMENTARIES OF THE SHAPE				

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DART AEROSPACE PART NUMBER JOHN CAMERON AVIATION PART NUMBER

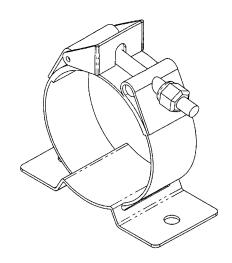
D4022-3 REF JCA/M47/D3/SHT 13

NOTES:
1) MATERIAL: N/A
2) FINISH: NIA
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) DENTIPICATION: N/A

D

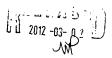
С

## **SPECIFICATION CONTROL DRAWING**



DART PART NUMBER SUPPLIER PART NUMBER FITS MOTOR SIZE  $(\emptyset)$ POSSIBLE SUPPLIER MATERIAL WELDON TC 250-100 STAINLESS STEEL 2.5 AIRCRAFT SPRUCE AND SPECIALTY D4022-3 05-00021 STAINLESS STEEL 2.5 AEROSPARES ACCESSORIES TC 250-100 STAINLESS STEEL 2.5 <u></u>

#### **D4022-X FUEL PUMP MOUNTING BRACKET**



В

DESIGN	<b>\$</b>	DART AEROSP	ACEUD	
DRAWN	DC	HAWKESBURY, ONTAI		
CHECKED	85	DRAWING NO.	REV. C	
MFG. APPR.		D4022	SHEET 3 OF 4	
APPROVED	14	TITLE	SCALE	
DE APPR.		FUEL PUMP	NTS	
DATE 12.0	2.09	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIMATE AND CONFEDENCE AND IS SUPPLIED ON THE SPRESS CONFIDENCE HAS NOT TO BE USED FOR ANY PAPAGES ON COMMENCE TO ANY OTHER PERSON WITHOUT		

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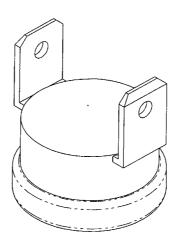
2

DART AEROSPACE PART NUMBER

D4022-5

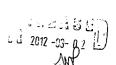
D4

# **SPECIFICATION CONTROL DRAWING**



DART PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	ALTERNATE PART NUMBER	TEMPERATURE WHEN SWITCH OPENS	
	FARNELL -	1006847	3775628	125°F	
D4022-5	HONEST-WELL	T23A125BSR2-15	3775628	125°F	
	NEWARK	98K1992	3775628	125°F	

**D4022-X THERMAL SWITCH** 



NOTES:	
1) MATERIAL: N/A	
2) FINISH: N/A	
3) TOLERANCES: PER DART QSI 018 UNLESS OTHER	WISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED	WOL HOTED
5) BREAK-SHARP EDGES: 0.005 TO 0.010 MAX	

DESIGN	<b>3</b> 5	DART AEROSPACE LTD		
DRAWN	DC	HAWKESBURY, ONTARIO, CANADA		
CHECKED	<b>3</b> 5-	DRAWING NO.	REV. C	
MFG. APPR.		D4022	SHEET 4 OF 4	
APPROVED	NP	TITLE	SCALE	
DE APPR.	4	FUEL PUMP	NTS	
DATE 12.02.09		COPYRIGHT © 2010 BY DART AEROSPACE LTD THE DOCUMENT IS PRIVATE AND COMP EDITHE, AND ES EMPILED ON THE EMPILES CONDITION THAT IT IS NOT TO BE USED FOR ANY REPOSED OR OWNED OR COMMUNICATED TO ANY OTHER PRISON WITHOUT		

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Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

#### **PURCHASE ORDER**

#### Purchase Order ID PO21465

Purchase Order Date 9/24/2013 PO Print Date 9/24/2013

Page Number 1 of 1

Order From:

NEWARK

C/O T27537 P.O.BOX 4275 POSTAL STATION "A"

TORONTO, ONTARIO M5W 5V8

**CANADA** 

VC-NEW002

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

**CANADA** 

FOR BOD

Contact Name

**Vendor Phone** 

Ship To Contact

**Ship To Phone** 

Ship Via: Ship Acct: 800-463-9275 Ext.Sales

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607 Net 30

Terms Currency

CAD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
ı	T23A125BSR2-15	thermal switch	9/27/2013		20.00	\$2.72	\$54.40 ·
	•,		Yes		Each		
	,		9/27/2013				
	AS PER DWG D4022 REV. C						

AS PER DWG D4022 REV. C B107265

NEWARK P/N: 98K1992

Line Total:

\$54.40

PO Total:

\$54.40

CH

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.

No substitution or deviation without consent.

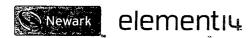
Certificate of Conformity or Material Certification required - YES

PST# 6122-5207

Change Nbr:

Change Date:

9/24/2013



### **Master Packing List**

Orders: 1-800-463-9275 Cust Service: 1-866-752-9279 www.element14.com

www.newark.com

Rel.:

139901

Number of Cartons:

Number of Lines:

9/24/2013

Bill-To Acct:

V1 659740001

Ship-To Acct:

Ship Date:

Order #:

BIII To: DART AEROSPACE LTD CHANTALLAVOIE 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7 CA

Ship To: CHANTALLAVOIE DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7 Canada

Sold To: CHANTAL LAVOIE CLAVOIE@DARTAERO.COM

Canada

Ord Line	Cust PO Line	SKU#	иом	Order Qty	Shipped Qty	Previous Shipped Qty	Back Ordered Qty	RoHS	
1 Mfr part# T23A	001 125BSR2-15	98K1992	EA/1	20 Mfr Name MUL	20 TICOMP	Ū	0	Yes	-
Customers par				Country of Orig	in TW		tomer Part#		. •
Terminals:Quick	CH, NC, 125°C, C Connect, Contact	ontact Configuration Current Max:10A	n:SPST-NC; Con	tact Rating 125VAC/	15A, 250VAC/10A, 250V	AC/16A; No. of Pins:2; S	ensor		
							Shippe	ed Qty	
	-K.Varcette (19								

Yes = RoHS Compliant. YesX = Compliant per exemption. See our website www.newark.com for definition of RoHS compliance. Newark is a distributor of electronic products manufactured by others. The Country of Origin data on the packing list has been provided by the manufacturer and Newark is not responsible for the accuracy

Certificate of Conformance on Reverse Side

Order Line Cust PO Line

001

MFR# T23A125BSR2-15

Part:

THERMAL SWITCH, NC, 125°C; Contact Configuration:SPST-NC; Contact Rating:125VAC/15A, 250VAC/16A, 250VAC/16A; No. of Pins:2; Sensor Terminals:Quick Connect; Contact Current Max:10A

To insure proper credit to your account, please Customer Service at 866-752-9279 for issuance of F	
•	
Control of the second of the s	

Newark	elementių.
Order #: 139901	
Date shipped:	
RMA #:	
Reason for Return	

**NOU 287**